

From: Fuentes, Rene
To: ["Mullen, Tom"](#)
Subject: RE: DOCKET NO. SDWA-10-2013-0080 / Groundwater Monitoring Well Installation Activities - Wednesday, July 24, 2013 Update
Date: Thursday, July 25, 2013 12:33:00 PM

*Tom,
Thanks, got your messages. I was out of the office which is why I did not reply to you, but back now.
Rene*

From: Mullen, Tom [mailto:Tom.Mullen@arcadis-us.com]
Sent: Wednesday, July 24, 2013 5:13 PM
To: Fuentes, Rene
Cc: Winiecki, Eric; Freeman, Kevin; Sebesta, Lisa
Subject: DOCKET NO. SDWA-10-2013-0080 / Groundwater Monitoring Well Installation Activities - Wednesday, July 24, 2013 Update

Rene,

On Wednesday, July 24, Cascade completed placing the bentonite chip seal in DC-03D and installed the steel surface casing, concrete pad, and bollards. Cascade then setup on YVD-17 located between the Sunnyside canal south of Knowles Road (e.g., between the canal and the cherry orchard). Cascade hand cleared YVD-17 zero to 5 feet and drilled to a total depth of 58 feet. General lithology consisted of silt to 33 feet, gravelly sand to 41 feet, and sand to 58 feet. Wet cuttings were observed starting at about 34 feet bgs. Static water levels stabilized at approximately 33.5 feet bgs. Heaving sands were encountered near the bottom of the borehole.

A 20-slot PVC well screen was installed from 27.5 to 47.5 feet. Sand filter pack was installed from 58 to 25 feet bgs. Centralizers were placed at 47 and 26 feet. The annulus was sealed with hydrated bentonite chip to 3 feet bgs before stopping for the day.

For Thursday, July 25, Cascade will install the surface casing, concrete pad and bollards on YVD-17 and setup on YVD-08.

Please let me know if you have questions,

Thank You,

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